

SELECTION CRITERIA
in
MULTIPLE REGRESSION¹

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ABSTRACT

This paper was given as part of a three day conference, the Teaching of Statistics in Latin America, held at the Centro de Estadística y Cálculo, Colegio de Postgraduados, Escuela Nacional de Agricultura, Chapingo, Mexico, November 6-9, 1972. Using a series of experiments in teaching a statistical methodology course leads the student to realize that several parts of his methodology sequence must be integrated to analyze a given subject-matter problem. In regression analysis, we stress prediction and modeling for better understanding. The data from a series of fertilizer experiments are used to compare procedures for selecting predictor variables.

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